10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LPIN2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8583c

Specification

LPIN2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q92539

LPIN2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9663

Other Names
Phosphatidate phosphatase LPIN2, Lipin-2, LPIN2, KIAA0249

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8583c was selected from the Center region of human LPIN2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LPIN2 Antibody (Center) Blocking Peptide - Protein Information

Name LPIN2 (HGNC:14450)

Synonyms KIAA0249

Function
Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis in the endoplasmic reticulum membrane. Plays important roles in controlling the metabolism of fatty acids at different levels. Also acts as a nuclear transcriptional coactivator for PPARGC1A to modulate lipid metabolism.

Cellular Location
Nucleus. Cytoplasm, cytosol. Endoplasmic reticulum membrane Note=Translocates to endoplasmic reticulum membrane with increasing levels of oleate.

Tissue Location
Expressed in liver, lung, kidney, placenta, spleen, thymus, lymph node, prostate, testes, small intestine, and colon

LPIN2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LPIN2 Antibody (Center) Blocking Peptide - Images

LPIN2 Antibody (Center) Blocking Peptide - Background

Defects in LPIN2 are the cause of Majeed syndrome. Majeed syndrome is an autosomal recessive disorder combining features of chronic recurrent multifocal osteomyelitis, congenital dyserythropoietic anemia and inflammatory dermatosis.

LPIN2 Antibody (Center) Blocking Peptide - References

Olsen,J.V., et.al., Cell 127 (3), 635-648 (2006)Ferguson,P.J., et.al., J. Med. Genet. 42 (7), 551-557 (2005)